

Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of claims in the application.

Listing of Claims:

1. (previously canceled)
2. (previously amended) The method of claim 23 wherein step b) further comprises allowing another system of the plurality of systems to retain the plurality of locks of the at least one system.
3. (previously amended) The method of claim 23 wherein step c) further comprises:
 - c1) allowing another system of the plurality of systems to restart the at least one system;
 - c2) recovering data being protected by the retained locks of the at least one system utilizing only the shared processor resources of the another system determined to be necessary for performing the restart operation; and
 - c3) allowing the at least one system to terminate in a normal fashion.
4. (previously canceled)
5. (previously amended) The method of claim 3 wherein step c1) further comprises:
 - c1i) providing a request to restart the at least one system;
 - c1ii) allowing the another system to detect the request; and

c1iii) allowing the another system to restart the at least one system based on the request, utilizing only the shared processor resources determined to be necessary for performing the restart operation.

6. (previously amended) The method of claim 23 wherein the plurality of locks comprise a plurality of data locks.

7. (previously canceled)

8. (previously amended) The system of claim 24 wherein the means for retaining the plurality of locks further comprises means for allowing another computer system to retain the plurality of locks held by the at least one computer system.

9. (previously amended) The system of claim 8 wherein the means for restarting the at least one computer system further comprises:

means for allowing the another computer system to restart the at least one computer system;

means for recovering the data being protected by the retained locks held by the at least one computer system using only the shared processor resources determined to be necessary for recovering the data; and

means for allowing the at least one computer system to terminate in a normal fashion after recovering the data.

10. (previously canceled)

11. (previously amended) The system of claim 9 wherein means for allowing the another computer system to restart the at least one computer system further comprises:

- means for providing a request to restart the at least one computer system;
- means for allowing the another computer system to detect the request; and
- means for allowing the another computer system to restart the at least one computer system based on the request using only the shared processor resources that are determined to be necessary for recovering the data.

12. (previously amended) The system of claim 24 wherein the plurality of locks comprise a plurality of data locks.

13. (previously canceled)

14. (previously amended) The computer readable medium of claim 25 wherein instruction b) further comprises allowing another system of the plurality of systems to retain the plurality of locks held by the at least one system.

15. (previously amended) The computer readable medium of claim 25 wherein instruction c) further comprises:

- c1) allowing the another system of the plurality of systems to restart the at least one system;

- c2) recovering the data being protected by the retained locks held by the at least one system using only the shared processor resources that are determined to be necessary for recovering the data; and

c3) allowing the another system to terminate the at least one system in a normal fashion after recovering the data.

16. (previously canceled)

17. (previously amended) The computer readable medium of claim 15 wherein instruction c1) further comprises:

c1i) providing a request to restart the at least one system;
c1ii) allowing the another system to detect the request; and
c1iii) allowing the another system to restart the at least one system based on the request using only the shared processor resources determined to be necessary for recovery the data.

18. (previously amended) The computer readable medium of claim 25 wherein the plurality of locks comprise a plurality of data locks.

19. – 22. (previously canceled)

23. (previously amended) A method for recovering retained locks in a shared system environment having a plurality of computer systems sharing processor resources, comprising:

(a) determining that at least one computer system of the plurality of computer systems has failed;

(b) retaining a plurality of locks held by the failed system in response to the failure;
and

(c) performing a restart operation on the failed system to free the retained locks using

only shared processor resources determined to be necessary for performing the restart operation.

24. (previously amended) A system for recovering retained locks in a shared system environment having a plurality of computer systems sharing processor resources, comprising:

means for determining that at least one computer system of the plurality of computer systems has failed;

means for retaining a plurality of locks held by the failed system in response to the failure; and

means for performing a restart operation on the failed system to free the retained locks using only shared processor resources determined to be necessary for performing the restart operation.

25. (previously amended) A computer readable medium with program instructions for recovering retained locks in a shared system environment having a plurality of computer systems sharing processor resources, comprising instructions for:

(a) determining that at least one computer system of the plurality of computer systems has failed;

(b) retaining a plurality of locks held by the failed system in response to the failure; and

(c) performing a restart operation on the failed system to free the retained locks using only shared processor resources determined to be necessary for performing the restart operation.

26. (New) The method of claim 23, wherein the necessary shared processor resources does not include enabling the failed system to accept new work.

27. (New) The system of claim 24, wherein the necessary shared processor resources does not include enabling the failed system to accept new work.

28. (New) The medium of claim 24, wherein the necessary shared processor resources does not include enabling the failed system to accept new work.